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TITLE: Unit for sawing up blocks of material such as
stone, marble or granite

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INVENTOR-INFORMATION:

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CHRISTIAN, ESCANDE	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
CEBE ESCANDE	FR

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ABSTRACT:

The invention relates to a unit for sawing up blocks of material such as stone, marble or granite. This unit comprises a first rolling gantry system (8, 9, 15) carrying a vertical sawing saddle (29), and a second rolling gantry system (43, 44, 50, 51) including two identical crossmembers (50, 51) each carrying a horizontal sawing saddle (53) and a sucker-bearing saddle (54) which are connected together in terms of translation. This unit furthermore includes a central management unit which is programmed, on the one hand, to coordinate the work of the vertical discs and horizontal discs so

that it can make the vertical discs and one of the horizontal discs work simultaneously, and, on the other hand, to actuate the suckers after each cutting of an edge by a horizontal disc and then bring about movement of the horizontal sawing saddle (53) and sucker-bearing saddle (54) towards discharge means (84, 85, 90, 91, 92).

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— FR.

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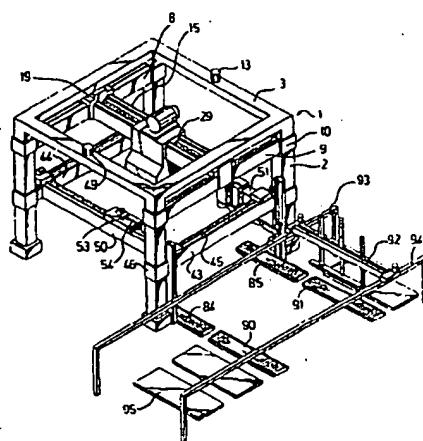
(73) Titulaire(s) :

(56) Liste des documents cités dans le rapport de
recherche préliminaire : Se reporter à la fin du
présent fascicule.

(74) Mandataire : Cabinet Barre Laforgue & associés.

(54) Unité de sciage de blocs de matériau tel que pierre, marbre, granit.

(57) L'invention concerne une unité de sciage de blocs de matériau tel que pierre, marbre ou granit. Cette unité comprend un premier système de pont roulant (8, 9, 15) portant un chariot (29) de sciage vertical, et un deuxième système de pont roulant (43, 44, 50, 51) comportant deux traverses identiques (50, 51) portant chacune un chariot de sciage horizontal (53) et un chariot porte-ventouses (54) liés en translation. Cette unité comporte, en outre, une unité centrale de gestion programmée, d'une part, pour coordonner le travail des disques verticaux et des disques horizontaux de façon à faire travailler simultanément les disques verticaux et un des disques horizontaux et, d'autre part, pour actionner les ventouses, après chaque découpe d'une tranche par un disque horizontal, et engendrer ensuite le déplacement des chariots de sciage horizontal (53) et porte-ventouses (54) vers des moyens d'évacuation (84, 85, 90, 91, 92).



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Fig 1

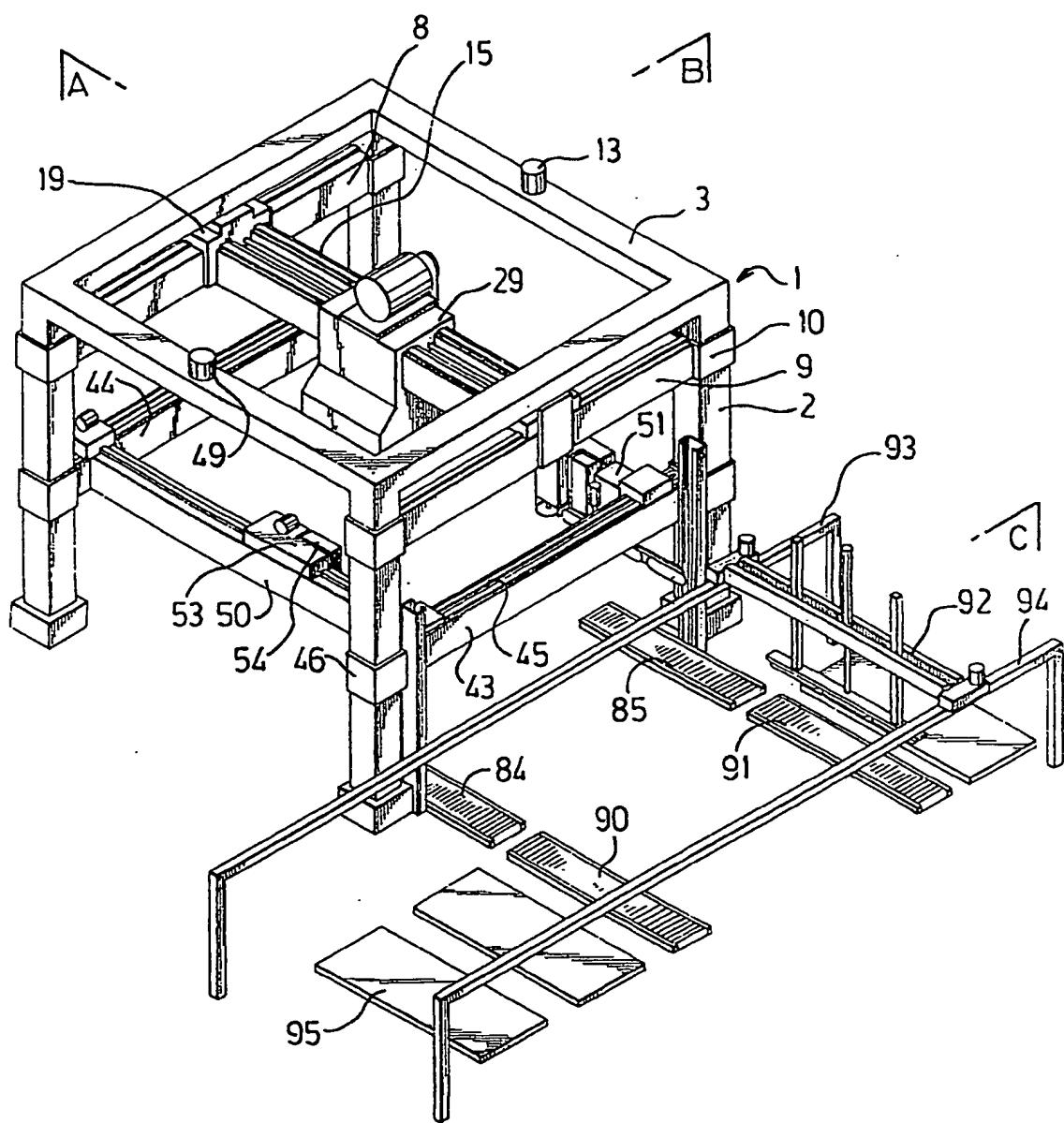


Fig 2

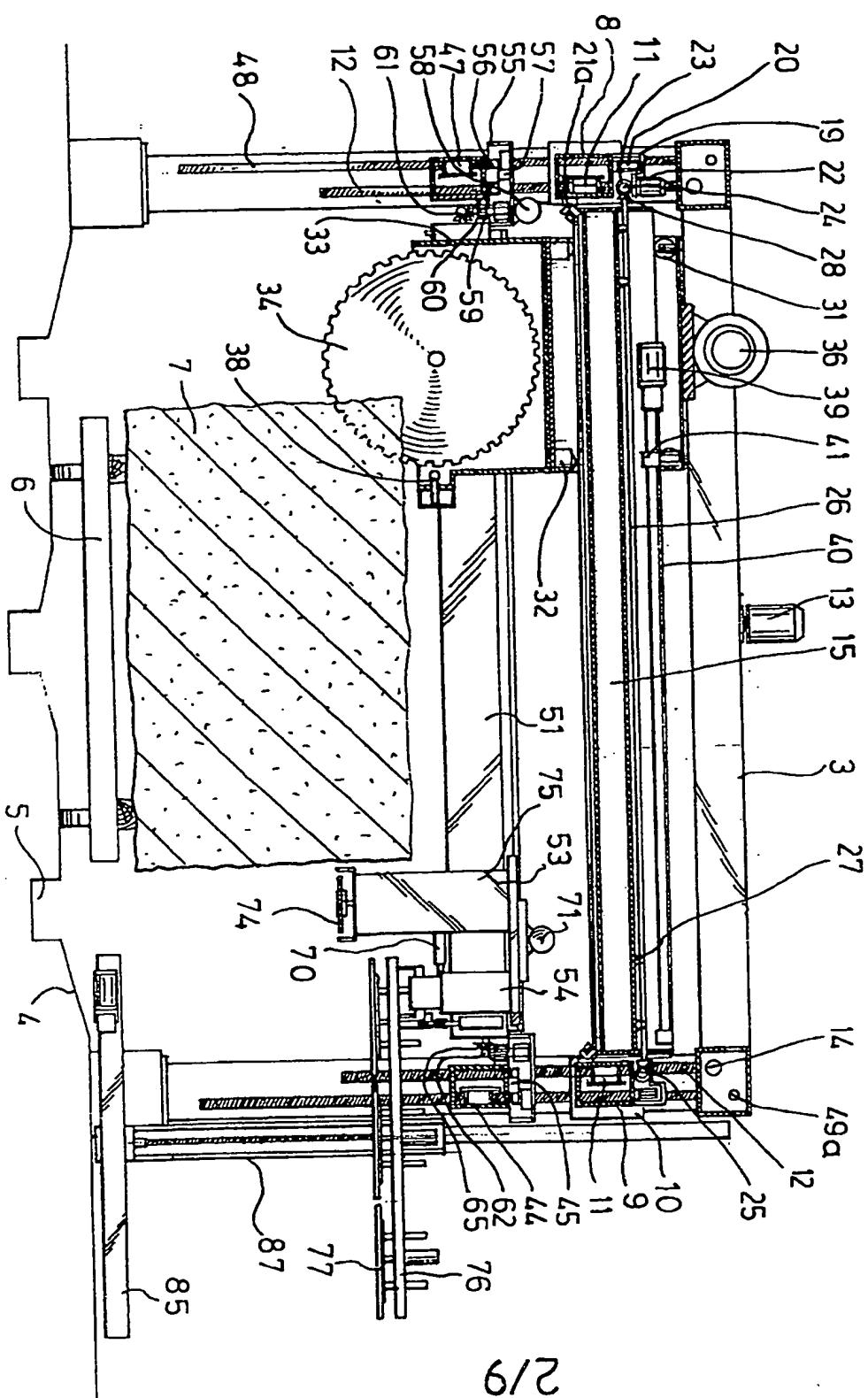
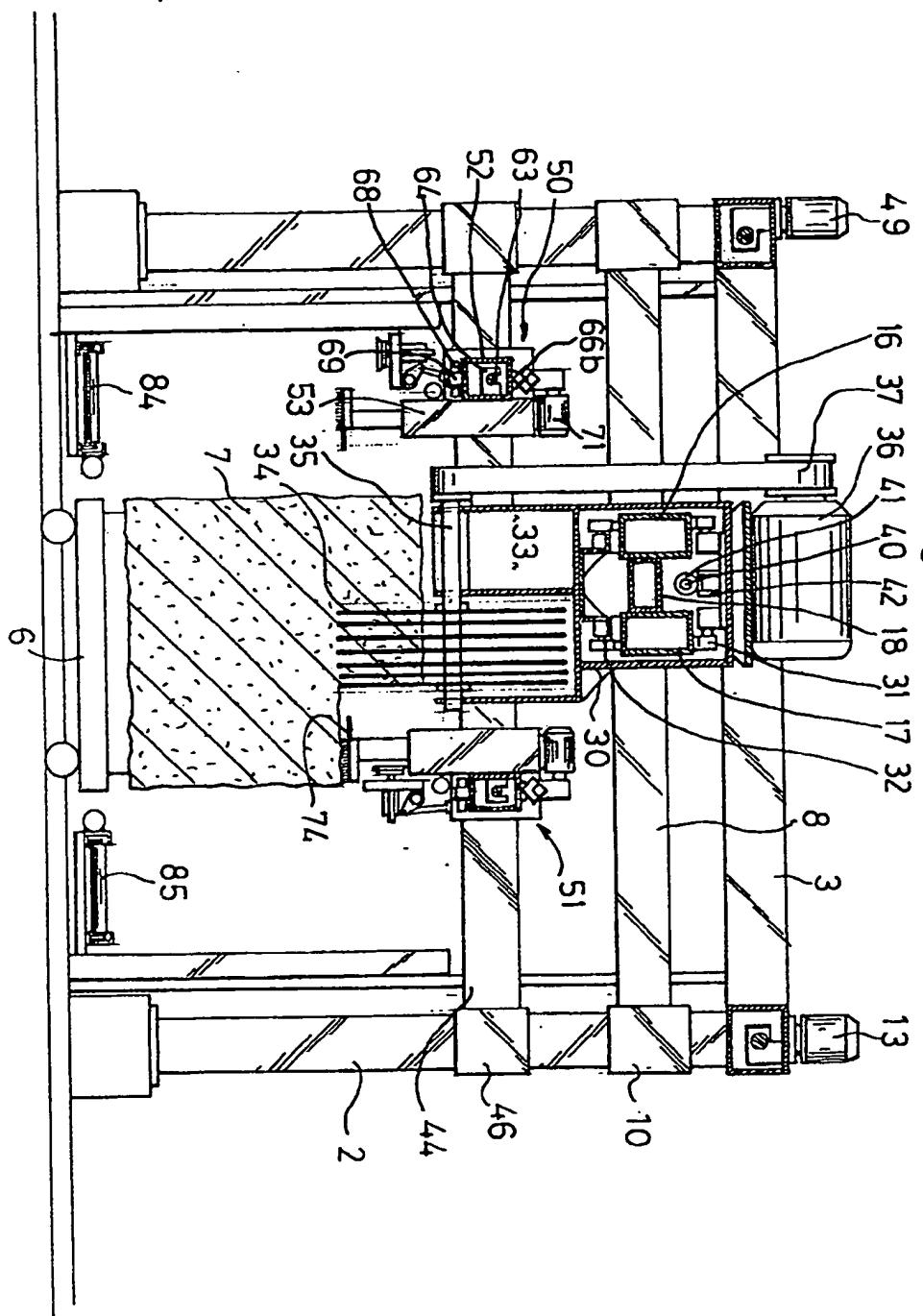


Fig. 3



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Fig 4

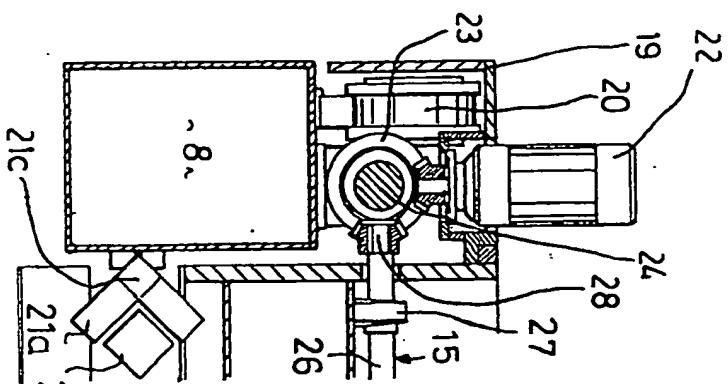


Fig 5

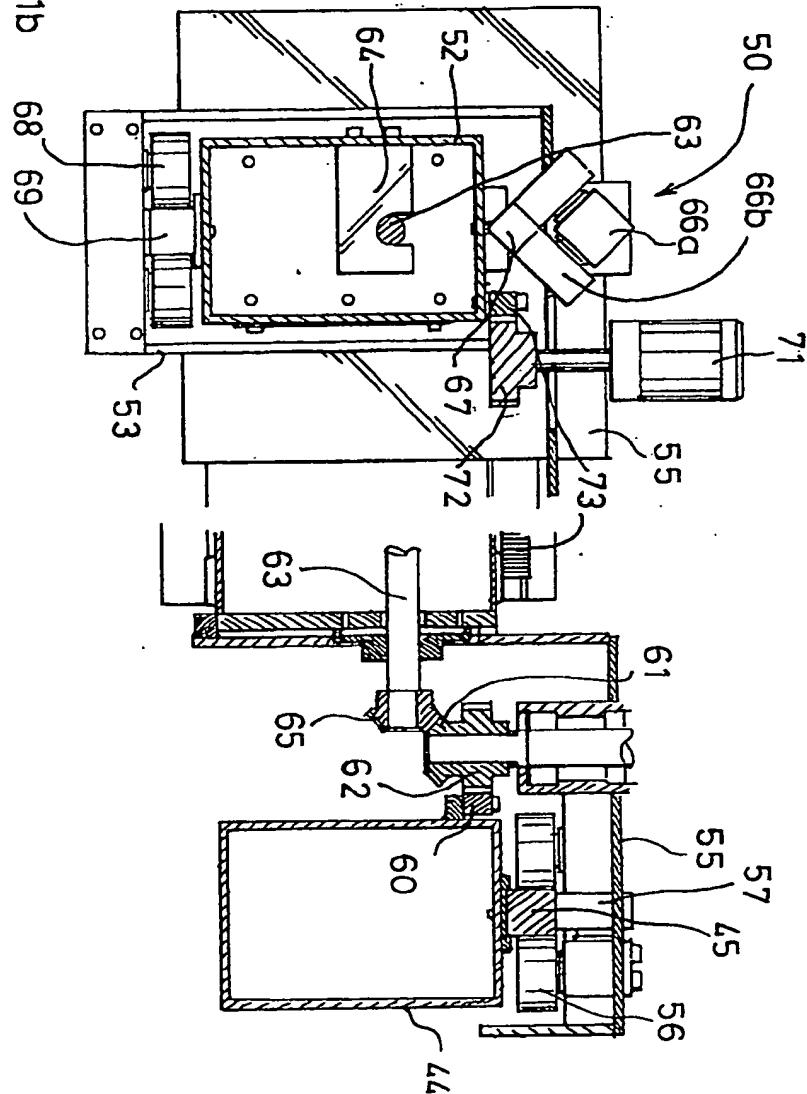


Fig 6

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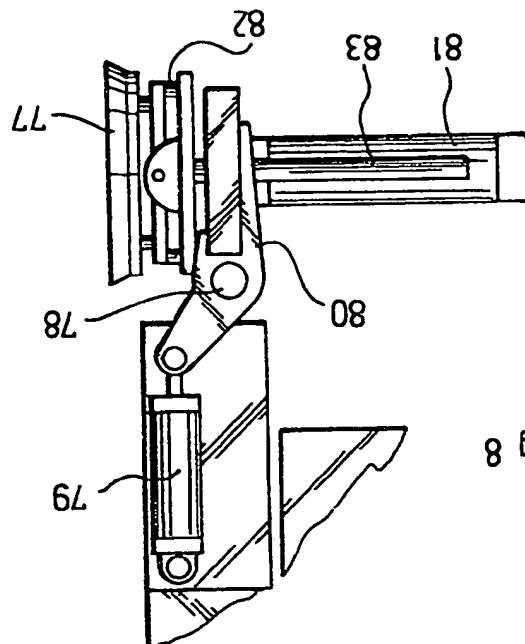


Fig. 8

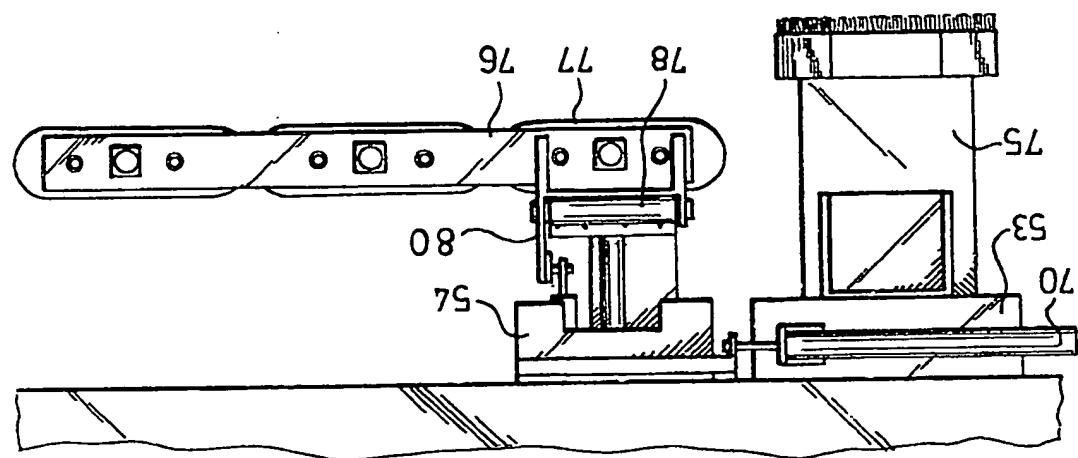


Fig. 7

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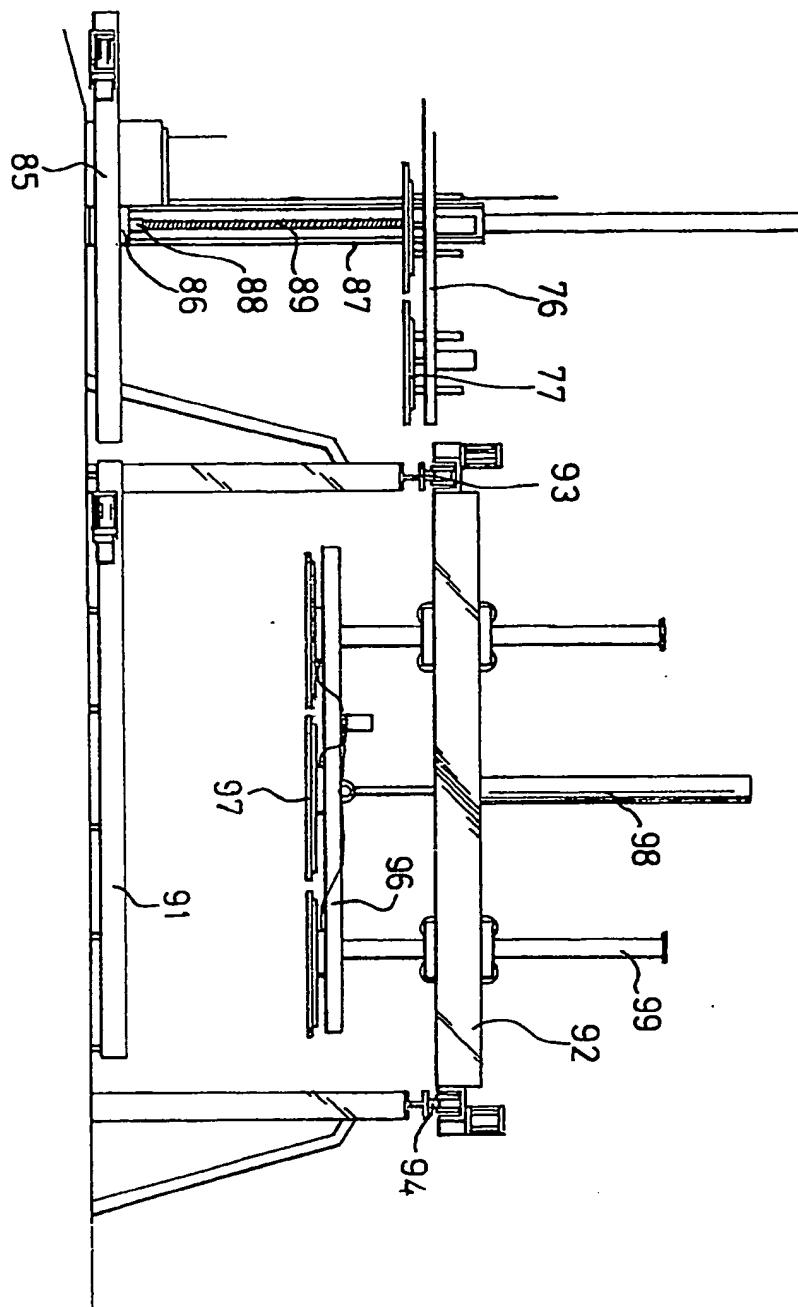
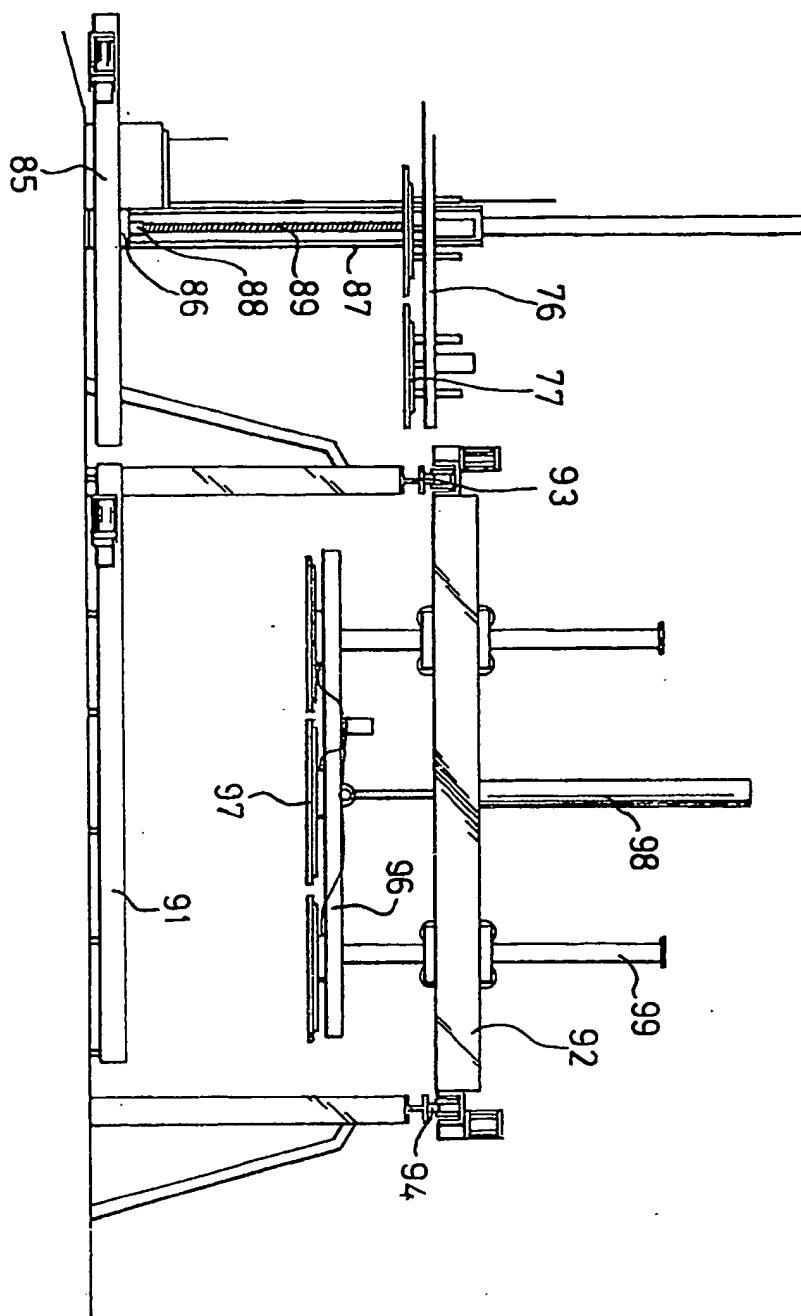


Fig 9

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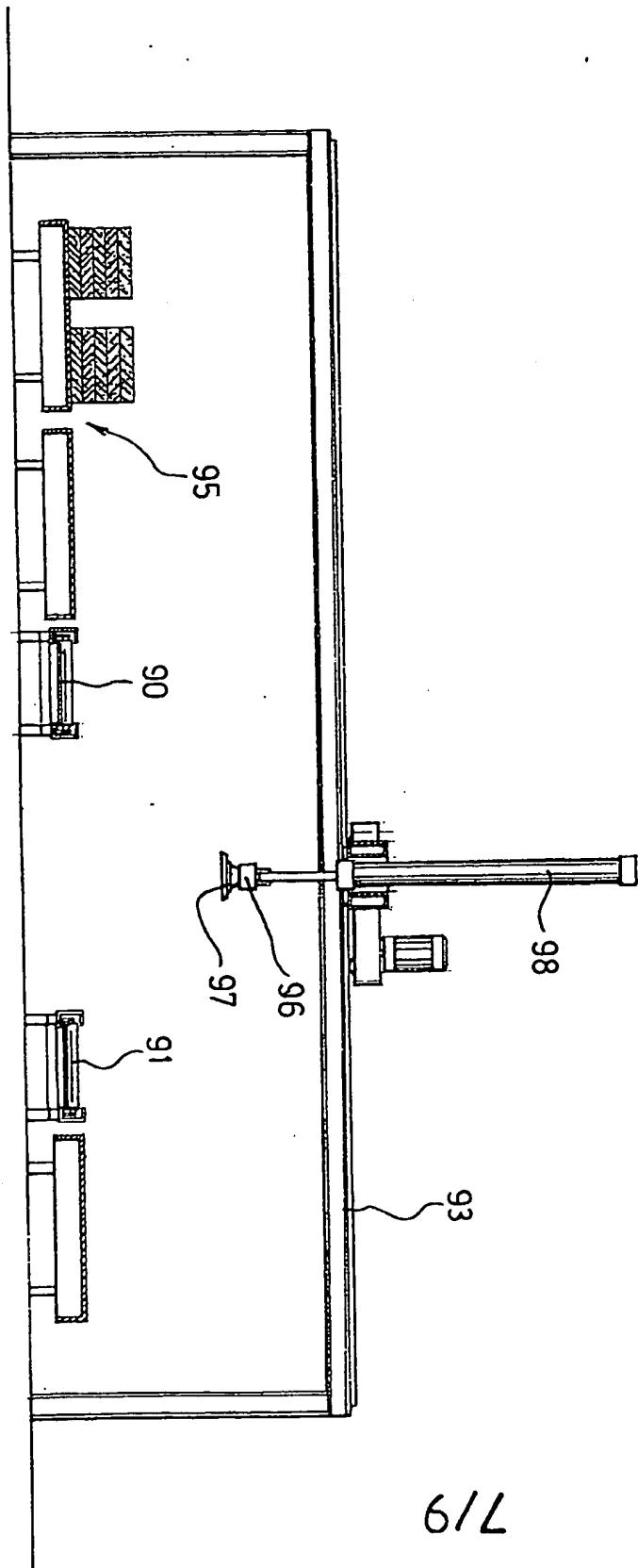


Fig 10

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Fig 11a

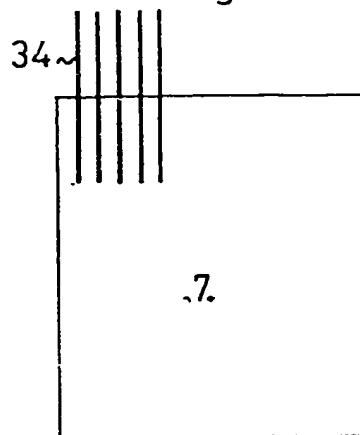


Fig 11b

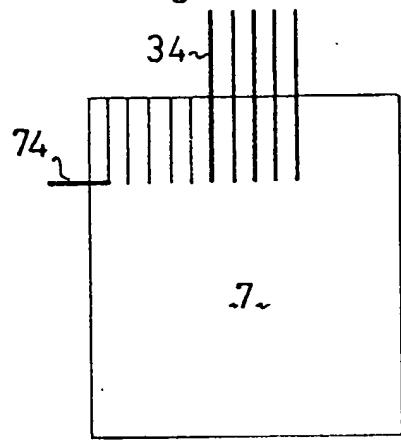


Fig 11c

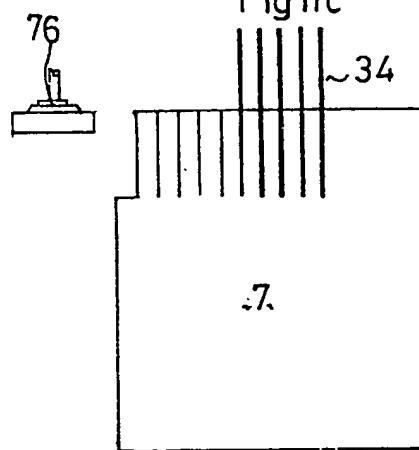


Fig 11d

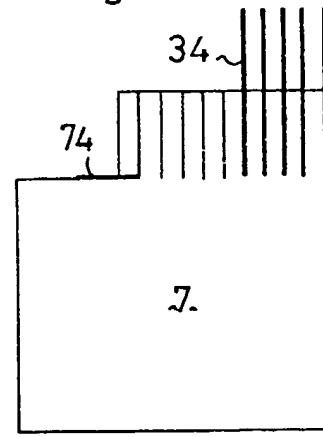
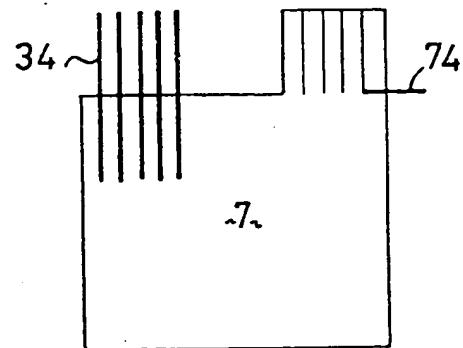


Fig 11e



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Fig 12a



Fig 12b

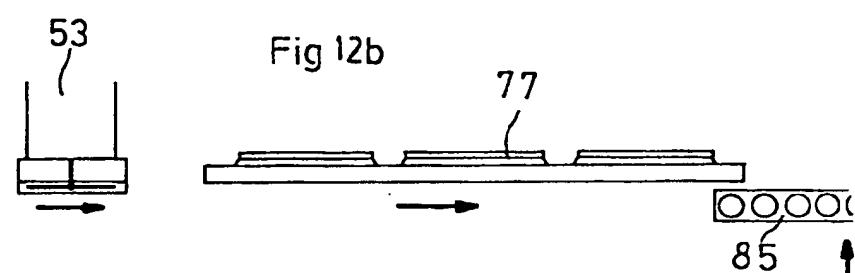


Fig 12c

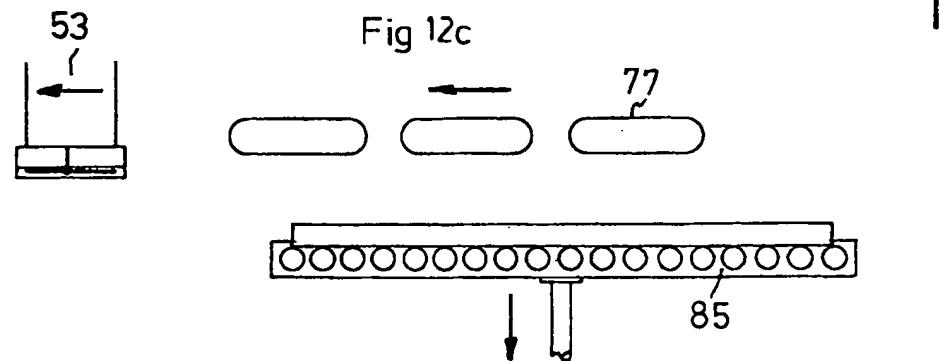


Fig 12d

